

WHAT IS CLAIMED IS:

- 1 1. A component storage system comprising:
2 an enclosed component storage area;
3 a dry gas delivery system for delivery of a dry gas to the storage area
4 to maintain a dry atmosphere in the storage area and to prevent moisture from being
5 absorbed by the components; and
6 a temperature control system for controlling a temperature of the dry
7 gas to about 10°C to about 60°C.
- 1 2. The system of Claim 1, wherein the component storage area is a
2 feeder cart for storing the components.
- 1 3. The system of Claim 1, wherein the component storage area is a
2 cabinet receiving at least one feeder cart for storing the components.
- 1 4. The system of Claim 1, wherein the component storage area is a
2 storage cabinet for storing the components.
- 1 5. The system of Claim 1, wherein the temperature control system
2 controls the temperature of the dry gas to about 20°C to about 50°C.
- 1 6. The system of Claim 1, wherein a flow rate of the dry gas delivered
2 to the storage area is controlled by a control system including a humidity sensor
3 within the component storage area.

1 7. The system of Claim 1, wherein a temperature and a flow rate of the
2 dry gas are controlled to eliminate moisture from the components while the
3 components are stored in the storage area.

1 8. The system of Claim 7, wherein the temperature and the flow rate of
2 the dry gas are controlled to remove about 0.1% or more of the weight of the
3 components by elimination of moisture while the components are stored in the
4 storage area.

1 9. The system of Claim 7, wherein the temperature and the flow rate of
2 the dry gas are controlled to remove moisture from the components to achieve a
3 moisture level in which moisture accounts for 0.1% or less of the weight of the
4 component.

1 10. A method eliminating moisture from electronic components, the
2 method comprising:
3 storing electronic components in a storage area; and
4 maintaining a warm and dry atmosphere in the storage area by
5 enclosing the storage area and injecting a warm and dry gas into the storage area at a
6 flow rate and temperature which are controlled to eliminate moisture from the
7 components in the storage area.

1 11. The method of Claim 10, wherein the component storage area is a
2 feeder cart for storing the components.

1 12. The method of Claim 10, wherein the component storage area is a
2 cabinet receiving at least one feeder cart for storing the components.

1 13. The method of Claim 10, wherein the component storage area is a
2 storage cabinet for storing the components.

1 14. The method of Claim 10, wherein the temperature control system
2 controls the temperature of the dry gas to about 10°C to about 60°C.

1 15. The method of Claim 10, wherein the temperature control system
2 controls the temperature of the dry gas to about 20°C to about 50°C.

1 16. The method of Claim 10, wherein a flow rate of the dry gas delivered
2 to the storage area is controlled by a control system including a humidity sensor
3 within the component storage area.

1 17. The method of Claim 10, further comprising removing about 0.1% or
2 more of the weight of the components by elimination of moisture while the
3 components are stored in the storage area.